

What is claimed is:

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NO:1.

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1. An isolated DNA comprising a nucleotide sequence as set forth in SEQ ID

2. A host cell comprising an isolated DNA according to claim 1.

3. A vector molecule comprising at least a fragment of an isolated DNA according to claim 1.

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sequences.

4. A vector molecule according to claim 1 comprising transcriptional control

5. An isolated polypeptide comprising the amino acid sequence set forth in SEQ ID NO:2.

6. An isolated polypeptide consisting of the amino acid sequence set forth in SEQ ID NO:2.

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7. An isolated DNA comprising a nucleic acid sequence that encodes the polypeptide of claim 6.

8. An isolated DNA comprising a nucleic acid sequence of from about 30 to about 50 nucleotides that hybridizes under high stringency conditions to the isolated DNA of claim 1.

9. A host cell comprising a vector molecule according to claim 1.

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10. A vertebrate host cell which can be propagated in vitro and which is capable upon growth in culture of producing a polypeptide according to claim 5, wherein said

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11. A vertebrate cell according to claim 10 wherein said one or more control DNA sequences are non-human transcriptional control sequences.

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13. The method of claim 12, wherein said DNA has the nucleotide sequence Q ID NO:1.

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16. A purified antibody or a fragment thereof which specifically binds to a polypeptide that comprises the amino acid sequence set forth in SEQ ID NO:2 or a fragment of a polypeptide that comprises the amino acid sequence set forth in SEQ ID NO:2.

17. An antibody fragment according to claim 16 which is an Fab or F(ab')₂ fragment.

18. An antibody according to claim 16 which is a polyclonal antibody.

19. An antibody according to claim 16 which is a monoclonal antibody.

20. A method for producing human adlcan polypeptides which comprises:
culturing a host cell having incorporated therein an expression vector containing an exogenously-derived human adlcan-encoding polynucleotide under conditions sufficient for expression of human adlcan polypeptides in the host cell, thereby causing the production of an expressed polypeptide; and
recovering the polypeptide produced by said cell.

21. An isolated DNA molecule with a nucleotide sequence complementary to the nucleotide sequence of the isolated DNA according to claim 1.

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